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TRAN	SMITTAL	Filing Date	07/28/2006		
FORM (to be used for all correspondence after initial filling)		First Named Inve	entor Heungsik Park		
		Group Art Unit	2881		
		Examiner Name	Nikita Wells		
Total Number of Pag	es in This Submission 35	Attorney Docket N	Number 2230.01		
	ENC	LOSURES (d	check all that apply)		
Fee Transmittal Form  Fee Attached  Drawing  Amendment / Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Assignm (for an A  Drawing  Licensin  Petition  Provision  Change Address  Terminal  Request		ing-related Papers	After Allowance Communication to Group Appeal Communication to Board of Appeals and Interferences Appeal Communication to Group (Appeal Nortce, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please identify below):		
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(Use as many sheets as necessary) Examiner Name Nikita Wells Attorney Docket Number Sheet 1

			U. S. PATENT D		
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		FORE	IGN PATENT DOCL	MENTS		
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1444)		JP63-186654	08-02-1988	Sakurai Masatoshi et al.		1
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		JP58-193934	12-23-1983	Noguchi Katsuhiko		<b>V</b>
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# RECEIVED CENTRAL FAX CENTER AUG 2 3 2006

### JP63-186654A

- (11) Publication number: JP63-186654
- (43) Publication date: 1988-08-02
- (72) Inventor: SAKURAI MASATOSHI; SHIGENO AKIO;

NOGUCHI KATSUHIKO

(71) Applicant: SAKURAI MASATOSHI;

SHIGENO AKIO:

KYOWA IRIKA KK

(51) Classification: A61L2/10

(21,22) Application number & Date: JP62-17835 19870127

(54) Title: ULTRAVIOLET DISINFECTING DEVICE OF DENTAL DRILLING INSTRUMENT

#### Claims:

- (1) An ultraviolet disinfecting device for use in a dental drilling instrument, comprising:
- a body;
- a support tube formed of transparent quartz glass for fittingly supporting the dental drilling instrument disposed in the body;
- a plurality of ultraviolet disinfecting lamps disposed at the outer circumference of the support tube;
- a reflecting plate disposed at the inner surface of the body accommodating the support tube formed of transparent quartz glass, for diffusedly reflecting an ultraviolet ray irradiated from the ultraviolet disinfecting lamp; and
- an opening and closing means alike a shutter of a camera installed at

the front side of the body conforming to the opening end of the support tube formed of transparent quartz glass.

- (2) The ultraviolet disinfecting device according to claim 1, wherein the opening and closing device is controlled by a switch disposed on a lighting control circuit of the ultraviolet lamp by turning it on and off.
- (3) The ultraviolet disinfecting device according to claim 1, wherein the ultraviolet disinfecting Lamp is lighted up by an OK lamp switch disposed at the front side of the body.